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51320008.q MAAR- ALEKGS-S-SNNNGCEGGD E- PEGAA EIDLSSLRIRQGAFVKGCFRGSLFIRADYDGKDV  
 83592867.q MASSSSSSDDLAAS - IDLALDEKKIAANALGGGGNCGAE EEEAAAEIDLSSLRISRS VVAQCYHGTILFRADYDGKDV  
 AK109696.q MASSCTMVPADLVEEK AAAAAYEEDAGSYVRADQVDIMSLDFPTEESMRDFRKLNNSGGVERGDE GPEAAAEIDLSSLRISRS VVABEHDHGTLFRCKVYSODVA  
 18403507.p METRNETKASPENN LRNRGADGNNSKKDMIFRADKIDIKN LDQOL EKHISRWSRSIEKHP KAKGE EIDLAKLEMN VIARCAHYCIVYKGVYDGODVA  
 15233574.p MEKKSE EDDGNTTKEKIFRADKIDIKS LDRQOL EKHISRWSRSIEKHP KAKGE EIDLAKLEMN VIARCAHYCIVYKGVYDGODVA  
 52870018.q MASSTS-DIPEGR EKDKRSRSGSLGSSDTAYPRADKIDIKS LDQOL EKQITKWKGANLKAH GKEGD EIDLAKLEMN VIARCAHYCIVYKGVYDGODVA  
 15240597.p MKE G -KD -CFVRADQIDIKS LDEOL ERHISRAITLEKNKKK DEED TTAVAIIGGSASSSPVTILINGGFVCKR KORLE EIDPSKLHIIKT VLARCTGFTGVHRGIVYDGODVA  
 15232131.p MKE K -AESGGGVYVRADQIDIKS LDEOL ORHISRAWTMEKKRNLSDGEDDNVNNTRHQNFFGRQLVFCRPLGGGSNNNNSKNDIIRSTEVKR EIDPSKLHIIKT VLARCTGFTGVHRGIVYDGODVA  
 AK107217.q MKE -GGGDGGFVRADQIDIKS LDEOL ERHISRAWTMEKKRKEE AAADORG SKPPALAAAHSNCNRR QRR EE EIDPAKLWVRG VIARGTFFGTGVHRGVYDGODVA  
 AK108130.q MRHPGA GGGSCDAFCVRADQIDIKS LDEOL ERHLGRPAERAAOSH GSGSRRGESARLGLGEEPPQAPHH QRRED EIDPAKLWVRG VIARGTFFGTGVHRGVYDGODVA  
 15229398.p MASGGGEADKSLEIGS GTADPKIGGTGSRSAAGEERYPRADLDFSK WDLMGCTTSVLTNSASTSAP APAMQD EIDLSSLRISRS VLAHQCTYCTVYRGTIVDGODVA  
 14770026.q MTSSGGACCRSHSFSCISSAAATGGAGAGADVFRVRAADNEYPRADKIDIKN LDVDF EKTFSKVWLQHCRSSAAS PLPLLE EIDLAKLEMN QVAHCITFCVVYRGTIVDGODVA  
 lias\_TGFBR EDPSIDRPFISEGTTLKLRLIYDMTTSGSGCLP LLVORTIARTIVLQBS I EKPGFEGPVWCK RGEEGA

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51320008.q VKLLD GKCFEPEDPIAHLRASLRGVVAEA HKLDEP NITTKFVGASMTPTDINPQGQSTAP PLPPPPDPDT CCVVVEYLQCGTILRSYLIKHSR KLAVIDAAPELAEPELAPPRDQDROHAPPRAPEPSBRGRG AERFT PEGDPRGDV AGLHGPSPVLDG  
 83592867.q VKLLD REDGYSPEDPIAHLRASLADLAV HSFEPNIVARFEASMTTDLNPAAASAAAGGEQRNTGEKP PADRACCVVVEFLKGKLYLIEHYRS HLPYGEVURLAEAMARCLSFLHANNIVHDRVTKTEMFLGGGGGDKLIADEFQVAR ATGTVGYMAPSPVLDG  
 AK109696.q VKLLD CAECDSSEDOIAHLRASLIVVAVV HEEHNP NITTKFVGASMTTDLNPKDIPDHSS ERKGAJDIDPDRACCVVVEFLKGKLYLIEHYRS KLDNFEPVVRVLAADLARGLSFLISKKIVHDRVSEMLDPOLN LKIADEFQVAR LVEAOQPKDMDTG ETGTLGYMAPSPVLDG  
 18403507.p VKVLD GEDCYAATTAETS LRAFSGEVAV HKLDEP NVTTRFVGASMTTDLNPKDIPDHSS SAETENSLPQRAACCVVVEYIPEGTILKQYIERNRRK KLAFFVUVVOL ALDLARGLSFLSYLHSRERIVHDRVTEMMLDYQRN LKIADEFQVAR VEA-ONPKDMDTG ETGTLGYMAPSPVLDG  
 15233574.p VKVLD REDCNEITTAJATRAFSGEVAV HKLDEP NVTTRFVGASMTTDLNPKDIPDHSS SADSKGSLPQQAACCVVVEYIPEGTILKQYIERNRRK KLAFFVUVVOL ALDLARGLSFLSYLHSRERIVHDRVTEMMLDYQRN LKIADEFQVAR VEA-ONPKDMDTG ETGTLGYMAPSPVLDG  
 52870018.q TPWLSSQVKLLD GEDCFATEAATLRAFSGEVAV HKLDEP NVTTRFVGASMTTDLNPKDIPDHSS NAGARTINLPARACCVVVEYIPEGTILKQYIERNRRK KLAFFVUVVOL ALDLARGLSFLSYLHSRERIVHDRVTEMMLDYQRN LKIADEFQVAR VEA-ONPKDMDTG ETGTLGYMAPSPVLDG  
 15240597.p VKLLD GEECHRSEAHIV LRAFSGEVAV HKLDEP NVTTRFVGASMTTDLNPKDIPDHSS ESGPLAMPNNICCVVVEYIPEGGALKSYLQYIERNRRK KLIFFKIVVOL ALDLARGLSFLSYLHSRERIVHDRVTEMMLDYQRN LKIADEFQVAR VEA-ONPKDMDTG ETGTLGYMAPSPVLDG  
 15232131.p VKLLD GEECHRSDAHIAHLRAFSGEVAV HKLDEP NVTTRFVGASMTTDLNPKDIPDHSS ENGMQMGMSNVICCVVVEYIPEGGALKSYLQYIERNRRK KLAFFVUVVOL SLLDLARGLSFLSYLHSRERIVHDRVTEMMLDYQRN LKIADEFQVAR VEA-ONPKDMDTG ETGTLGYMAPSPVLDG  
 AK107217.q VKLLD GEDCHRSEAHIS LRAAFQGEVAV HKLDEP NVTTRFVGASMTTDLNPKDIPDHSS ESGHIALAMPNNICCVVVEYIPEGGALKSYLQYIERNRRK KLAFFVUVVOL ALDLARGLSFLSYLHSRERIVHDRVTEMMLDYQRN LKIADEFQVAR VEA-ONPKDMDTG ETGTLGYMAPSPVLDG  
 AK108130.q VKMLD GEDCHRSEAHIS LRAAFQGEVAV HKLDEP NVTTRFVGASMTTDLNPKDIPDHSS EIGHFGMPSENICCVVVEYIPEGGALKSYLQYIERNRRK KLAVIDAAPELAEPELAPPRDQDROHAPPRAPEPSBRGRG VEA-ONPKDMDTG ETGTLGYMAPSPVLDG  
 15229398.p VKVLD GEDCYAATTAETS LRAFSGEVAV HKLDEP NVTTRFVGASMTTDLNPKDIPDHSS GGRGNGQAPARAACCVVVEYIPEGGALKSYLQYIERNRRK KLIPIKDVOL ALDLARGLSFLSYLHSRERIVHDRVTEMMLDYQRN LKIADEFQVAR VEA-ONPKDMDTG ETGTLGYMAPSPVLDG  
 14770026.q VKVLD CQEQQBS TAKHRCAFKEVAV HKLDEP NVTTRFVGASMTTDLNPKDIPDHSS KLPFPSAKAESRSSVGGGSAGGGGQR VVVEYOHGGTILKTYDVKHDK KLPFYYKVVOL ALDLARGLSFLSYLHSRERIVHDRVTEMMLDYQRN LKIADEFQVAR VEA-AGDQDMTG JTGTLGYMAPSPVLDG  
 lias\_TGFBR VKTFSSREE RSWEFREIYTQTVMLRHENILFIAADN KONGTWQTLWLVSDYHEGMSLEDYLNRVTVTVEGMKILALSTAASGLAHLEMEVGCQ CKPAAIAHDLKLSKNILVKKNGT CCIADDGLARHDSATDIDIAINHRVGTQKRYMAPSPVLDG

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51320008.q EPYN RKCDVYSGCICL EIY CCEMPF- M DLSIADVSSAVVHKDLRPIPRCP -RDMAPIMRCHANPAARPMEEVVNLLEALDKK- RHMVPLGETAGFCFCISLRRGSYITGSEPTICSPGS  
 83592867.q KPYN RKCDVYSGCICL ETY CCEMPF- F GLSVAS-SAAVRCRMRP-IP-ICCP -PAMARVMRCDADPAARPEMEEVVRLLEALDTSN- GGMVAPGKMKKKKTTKKKKNEEKKMPGCPCCFFGRS  
 AK109696.q KPYN RKCDVYSGCICL ETY CCDMPYGPYS DLSFADESSVVVVKNLRPIPRCP -SAMASIMRCDANPEKRPMEEVVRLLEALDTSN- GGMILDE KKKKKHPPGCCFCFFVPRAA  
 18403507.p KPYN RRCDVYSGCICL EIY CCDMPY- DLSFADVSSAVVHNLRPIPRCP -TALAIMRCEANPEKRPMEEVVSLLEAVDTTKC- GGMIP E DCRPCGF CFVSGRCP  
 15233574.p KPYN RRCDVYSGCICL EIY CCDMPY- DLSFADVSSAVVHNLRPIPRCP -TALAIMRCEANPEKRPMEEVVSLLEAVDTTKC- GGMIP E DSRPCGF CFAFACRP  
 52870018.q KPYN RKCDVYSGCICL EIY CCDMPY- DLSFADVSSAVVHNLRPIPRCP -TALAIMRCEANPEKRPMEEVVSLLEAVDTTKC- GGMIP E DSRPCGF CFTKARCP  
 15240597.p KPYN RKCDVYSGCICL EIY CCDMPY- DLSFSEVTSAVVHNLRPIPRCP -TALAIMRCEANPEKRPMEEVVSLLEAVDTTKC- GGMIP E DSRPCGF CFTKARCP  
 15232131.p SPYN RKCDVYSGCICL EIY CCDMPY- DLSFSEVTSAVVHNLRPIPRCP -TALAIMRCEANPEKRPMEEVVSLLEAVDTTKC- GGMIP E DSRPCGF CFTKARCP  
 AK107217.q SPYN RKCDVYSGCICL EIY CCDMPY- DLSFSEVTSAVVHNLRPIPRCP -TALAIMRCEANPEKRPMEEVVSLLEAVDTTKC- GGMIP E DSRPCGF CFTKARCP  
 AK108130.q SPYN RKCDVYSGCICL EIY CCDMPY- DLSFSEVTSAVVHNLRPIPRCP -TALAIMRCEANPEKRPMEEVVSLLEAVDTTKC- GGMIP E DSRPCGF CFTKARCP  
 15229398.p KPYN RKCDVYSGCICL EIY CCDMPY- DCSFAEISIAVVEHNLRPIPRCP -SSLANVMKRC DANPEKRPMEEVVSLLEAVDTTKC- GGMIP E DSRPCGF CFTKARCP  
 14770026.q RAYT RKCDVYSGCICL ETY CCEMPF- NYSPADISYEVDFLCPDIPPRCP -SSLANVMKRC DANPEKRPMEEVVSLLEAVDTTKC- GGMIP E DSRPCGF CFTKARCP  
 lias\_TGFBR SINNKKPDESFKRADIYAMGVF EIAARRCSIGGIHEDYCLPYDLVPSDPSVEMRKVVCORLRPNIPNRWQSCEALRVMARIMREC YANGAARLTALRIKKILSCLSQEC LKMK EHASQCGS CFGPSRSA